

$$L(R) = \{1\}$$



↓ 1

State

Input

A

1 ↓

B

Accepted state and end of string

↓ 0

State

Input

A

0 ↓

A

not end of string

Reject

↓ 1 0

State

Input

A

1 ↓ 0

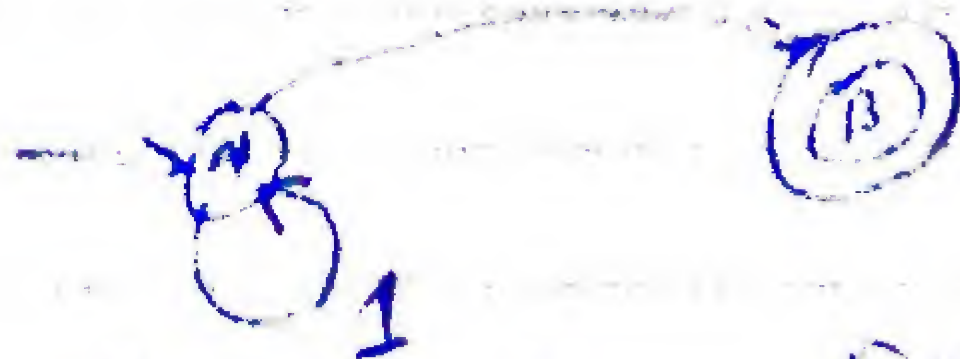
B

1 ↓ 0

not stuck, not end of string

Reject

0



1

any number of ones followed by zeros

State	Input	State	Input
A	↓ 110	A	↑ 100
A	1↓10	A	1↑00
A	11↓0	B	10↑0
B	110↓		
	End of String		Notes of string
Accept		Reject	

Accept → Accepted State and end of String
 get stuck → means the automata in a state
 and there is no transition move to any other

